



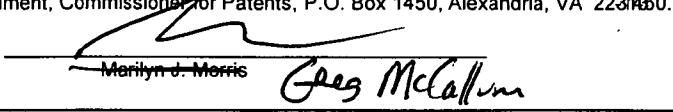
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No. : 10/554,237 Confirmation No.: 1348
Applicant: Kerry Michelle Dunse
International Filing Date : April 23, 2004
Group Art Unit : 1653
Examiner: Not yet assigned
Docket No. : 007193-13
Customer No. : 36,234

CERTIFICATE OF MAILING (37 C.F.R. Section 1.8(a))

I hereby certify that, on the date shown below, this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 2231450.

Date: 3-14-07


Marilyn J. Morris Greg McCallum

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT WITHIN THREE MONTHS OF FILING OR BEFORE MAILING OF FIRST OFFICE ACTION (37 C.F.R. Section 1.97(b))

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

The Information Disclosure Statement submitted herewith is being filed within three months of the filing date of the application or date of entry into the national stage of an international application or before the mailing date of a first Office Action on the merits, whichever event occurs last. 37 C.F.R. Section 1.97(b).

Enclosed are 3 patent references and 92 non-patent references. Applicants respectfully request that each of the cited information be expressly considered during the prosecution of this application and that the cited references be made of record therein and appear among the "References Cited" on any patent to issue therefrom. If required, a copy of each reference is attached.

The English translation of the abstract is attached for the 5th cited reference, DE 3135541.
No English translation of the entire application is available.

It is believed no fees are due in this matter; however, If a fee is due, please charge Deposit
Account No. 502679.

Date:

3-14-07

Jennifer M. McCallum

Jennifer M. McCallum, Ph.D., Esq.

Reg. No.: 52,492

Tel. No.: 303-828-0655

Customer No.: 36,234

Fax No.: 303-828-2938

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

MAR 16 2007
(Use as many sheets as necessary)

U.S. PATENT & TRADEMARK OFFICE

Sheet 1 of 6

Complete if Known

Application Number	10/554,237
Filing Date	April 23, 2004
First Named Inventor	Kerry Michelle Dunse
Art Unit	1653
Examiner Name	Unknown
Attorney Docket Number	007193-13

U.S. Patent Documents

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/W.W.M./	1	4,945,050	07-31-1990	Sanford et al.	
/W.W.M./	2	5,122,466	06-16-1992	Stomp et al.	

Foreign Patent Documents

Examiner Initials*	Cite No. ¹	Foreign Patent Document Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/W.W.M./	3	WO 84/03564	09-13-1984	Geysen	
/W.W.M./	4	WO 97/02048	01-23-1997	Kleyn et al.	
/W.W.M./	5	DE 3135541 A	03-24-1983	Bayer AG	

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s) publisher, city and/or country where published.	T ²
/W.W.M./	6	Altschul et al., <i>Nucl. Acids Res.</i> 25:3389-3402 (1997)	
/W.W.M./	7	Antcheva et al., <i>Protein Sci.</i> 10:2280-2290 (2001)	
/W.W.M./	8	Atkinson et al., <i>The Plant Cell</i> 5:203-213 (1993)	
/W.W.M./	9	Ausubel et al., "Current Protocols in Molecular Biology," John Wiley & Sons Inc., Chapter 15 (1994-1998)	
/W.W.M./	10	Balandin et al., <i>Plant Mol. Biol.</i> 27:1197-1204 (1995)	
/W.W.M./	11	Beuning and Christeller, <i>Plant Physiol</i> 102:1061 (1993)	
/W.W.M./	12	Bevan, <i>Nucl. Acids Research</i> 12:8711-8721 (1984)	
/W.W.M./	13	Bonner and Laskey, <i>Eur. J. Biochem.</i> 46:83 (1974)	
/W.W.M./	14	Botos et al., <i>J. Mol. Biol.</i> 298:895-901 (2000)	
/W.W.M./	15	Bown, et al., <i>Insect Biochem. Molec. Biol.</i> 27:625-638 (1997)	
/W.W.M./	16	Bradford, <i>Anal Biochem</i> 72:248-254 (1976)	
/W.W.M./	17	Broadway and Duffey, <i>J. Insect Physiol.</i> 32(8):673-680 (1986a)	
/W.W.M./	18	Broadway and Duffey, <i>J. Insect Physiol.</i> 32(10):827-833 (1986b)	

Examiner Signature	/William W. Moore/	Date Considered	06/25/2008
--------------------	--------------------	-----------------	------------

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
MAR 16 2007
(Use as many sheets as necessary)

Sheet 2 of 6

Complete if Known

Application Number	10/554,237
Filing Date	April 23, 2004
First Named Inventor	Kerry Michelle Dunse
Art Unit	1653
Examiner Name	Unknown
Attorney Docket Number	007193-13

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s) publisher, city and/or county where published.	T ²
/W.W.M./	19	Broadway and Villani, <i>Entomol. Expo. Appl.</i> 76:303-312 (1995)	
/W.W.M./	20	Broadway, <i>Arch. Insect Biochem. Physiol.</i> 32(1): 39-53 (1996)	
/W.W.M./	21	Broadway, <i>J. Insect. Physiol.</i> 41: 107-116 (1995)	
/W.W.M./	22	Broadway, <i>J. Insect. Physiol.</i> 43(9): 855-874 (1997)	
/W.W.M./	23	Burgess et al., <i>Entomol. Exp. App.</i> 61: 123-130 (1991)	
/W.W.M./	24	Choi et al., <i>Biochem. et Biophys. Acta</i> 1492: 211-215 (2000)	
/W.W.M./	25	Christeller et al., <i>Insect Biochem. Molecul. Biol.</i> 22: 735-746 (1992)	
/W.W.M./	26	Cleveland et al., <i>Plant Mol. Biol.</i> 8: 199-207 (1987)	
/W.W.M./	27	Combet et al., <i>TIBS.</i> 25: 147-150 (2000)	
/W.W.M./	28	Cordero et al., <i>The Plant Journal</i> 6(2): 141-150 (1994)	
/W.W.M./	29	Cripps et al., <i>J. Cell Biol.</i> 126: 689-699 (1994)	
/W.W.M./	30	De Leo et al., <i>Plant Physiol.</i> 118: 997-1004 (1998)	
/W.W.M./	31	EMBL [Online] "Tomato leaf wound-induced proteinase inhibitor I Mrna, complete cds." XP002395902, retrieved from EBI accession no. EM_PRO:LEWIPI, Database accession No. K03290 (abstract) (1986)	
/W.W.M./	32	EMBL [Online] "Zea may MPI gene" XP002395903, retrieved from EBI accession no. EM_PRO:ZMMPI, Database accession No. X78988 (abstract) (1994)	
/W.W.M./	33	EMBL [Online] "Nicotiana tabacum mRNA for pre-pro-proteinase inhibitor I (PI-Ia gene)" XP002395904, retrieved from EBI accession no. EM_PRO:NTPII4PI, Database accession No. Z12619 (abstract) (1992)	
/W.W.M./	34	EMBL [Online] "S. tuberosum proteinase inhibitor I." XP002395905, retrieved from EBI accession no. EM_PRO:STPROINI, Database accession No. Z12611 (abstract) (1992)	

Examiner Signature	/William W. Moore/	Date Considered	06/25/2008
--------------------	--------------------	-----------------	------------

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known	
		Application Number	10/554,237
		Filing Date	April 23, 2004
		First Named Inventor	Kerry Michelle Dunse
		Art Unit	1653
		Examiner Name	Unknown
Sheet 3 of 6		Attorney Docket Number	007193-13

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s) publisher, city and/or county where published.	T ²
/W.W.M./	35	Erickson et al., <i>Science</i> 249: 527-533 (1990)	
/W.W.M./	36	Fang et al., <i>Plant Cell</i> 1: 141-150 (1989)	
/W.W.M./	37	Gatehouse et al., In: <i>Plant Genetic Manipulation for Crop Protection</i> , Biotech. In Agriculture No. 7, Eds. Gatehouse, Hilder & Boulter, International U.K., pp. 155-181 (1992)	
/W.W.M./	38	Gatehouse et al., <i>J. Insect Physiol.</i> 45(6): 545-558 (1999)	
/W.W.M./	39	Gatehouse et al., <i>Insect Biochem. Molecul. Biol.</i> 27(11): 929-944 (1997)	
/W.W.M./	40	Graham et al., <i>J. Biol. Chem.</i> 260: 6555-6560 (1985)	
/W.W.M./	41	Greenblatt et al., <i>J. Mol. Biol.</i> 205: 201 (1989)	
/W.W.M./	42	Greer, <i>Proteins</i> 7: 317-34 (1990)	
/W.W.M./	43	Hajdukiewicz et al., <i>Plant Mol. Biol.</i> 25: 989-994 (1994)	
/W.W.M./	44	Harsulkar et al., <i>Plant Physiol.</i> 121: 497-506 (1999)	
/W.W.M./	45	Heath et al., <i>European Journal of Biochemistry</i> 230(1): 250-257 (1995)	
/W.W.M./	46	Heath et al., <i>J. Insect Physiol.</i> 43(9): 833-842 (1997)	
/W.W.M./	47	Hediger et al., <i>Insect Mol. Biol.</i> 10: 113-119 (2001)	
/W.W.M./	48	Hjelmeland et al., <i>Comparative Biochemistry and Physiology B</i> 71: 557-562 (1982)	
/W.W.M./	49	Hodgson, <i>Bio/Technology</i> 9: 19-21 (1991)	
/W.W.M./	50	Hsu et al., <i>Plant Sci.</i> 143: 63-70 (1999)	
/W.W.M./	51	Inoue et al., <i>Gene</i> 96: 23-28 (1990)	
/W.W.M./	52	Johnson, R. et al., Proceedings of the National Academy of Sciences of USA, National Academy of Science, Washington, DC, US, 86:24, pp. 9871-9875 (1989).	
/W.W.M./	53	Johnston et al., <i>Insect Biochem.</i> 2(4)1: 389-397 (1991)	

Examiner Signature	/William W. Moore/	Date Considered	06/25/2008
--------------------	--------------------	-----------------	------------

Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/554,237
		Filing Date	April 23, 2004
		First Named Inventor	Kerry Michelle Dunse
		Art Unit	1653
		Examiner Name	Unknown
Sheet 4 of 6		Attorney Docket Number	007193-13

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s) publisher, city and/or county where published.	T ²
/W.W.M./	54	Johnston et al., <i>Insect Biochem. Molec. Biol.</i> 25(3): 375-383 (1995)	
/W.W.M./	55	Jongsma et al., <i>Proc. Natl. Acad. Sci. USA</i> 92(17): 8041-8045 (1995a)	
/W.W.M./	56	Keil et al., <i>EMBO J.</i> 8: 1323-1330 (1989)	
/W.W.M./	57	Lee et al., <i>Insect. Biochem. Molec. Biol.</i> 25(1): 49-61 (1995b)	
/W.W.M./	58	Lee et al., <i>Insect. Biochem. Molec. Biol.</i> 25(1): 63-71 (1995a)	
/W.W.M./	59	Lee et al., <i>Nature Structural Biology</i> 6(6): 526-530 (1999)	
/W.W.M./	60	Legavre et al., In: 5th International Congress of Plant Molecular Biology, Singapore 15:3 Supp., Kluwer Academic Publishers (1997)	
/W.W.M./	61	Lidholm et al., <i>Genetics</i> 134: 859-868 (1993)	
/W.W.M./	62	Linthorst et al., <i>Plant Mol. Biol.</i> 21: 985-992 (1993)	
/W.W.M./	63	Lozovskaya et al., <i>Genetics</i> 142: 173-177 (1996)	
/W.W.M./	64	Markwick et al., <i>J. Economic Entomology</i> 91 (6): 1265-76 (1998)	
/W.W.M./	65	Markwick et al., <i>J. Economic Entomology</i> 88(1): 33-39 (1995)	
/W.W.M./	66	Marmur et al., <i>J. Mol. Biol.</i> 5: 109-118 (1962)	
/W.W.M./	67	Mazumdar-Leighton and Broadway, <i>Insect Biochem. Mol. Biol.</i> 31: 645-657 (2001a)	
/W.W.M./	68	Mazumdar-Leighton and Broadway, <i>Insect Biochem. Mol. Biol.</i> 31: 633-644 (2001b)	
/W.W.M./	69	Miller et al., <i>Plant Cell</i> 11: 1499-1508 (1999)	
/W.W.M./	70	Miller et al., <i>Plant Mol. Biol.</i> 42: 329-333 (2000)	
/W.W.M./	71	Moura et al., <i>Plant Physiol.</i> 126: 289-298 (2001)	
/W.W.M./	72	Nielson et al., <i>Biochemistry</i> 34: 14304-14311 (1995)	
/W.W.M./	73	Nielson et al., <i>J. Mol. Biol.</i> 242: 231-243 (1994)	
/W.W.M./	74	Patankar et al., <i>Insect Biochem. & Mol. Biol.</i> 31: 453-464 (2001)	

Examiner Signature	/William W. Moore/	Date Considered	06/25/2008
--------------------	--------------------	-----------------	------------

Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/554,237
		Filing Date	April 23, 2004
		First Named Inventor	Kerry Michelle Dunse
		Art Unit	1653
		Examiner Name	Unknown
Sheet 5 of 6		Attorney Docket Number	007193-13

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s) publisher, city and/or county where published.	T ²
/W.W.M./	75	Pathirana et al., <i>Plant J.</i> 12(2): 293-304 (1997)	
/W.W.M./	76	Paulillo et al., <i>J. Econ. Entomol.</i> 93(3): 892-896 (2000)	
/W.W.M./	77	Peloquin et al., <i>J. Cot. Sci.</i> 5: 114-120 (2001)	
/W.W.M./	78	Pesole, <i>Trends Genet</i> 15(9): 378 (1999)	
/W.W.M./	79	Peterson et al., <i>Insect Biochem. Mol. Biol.</i> 25(7): 765-774 (1995)	
/W.W.M./	80	Pujade-Renaud et al., <i>Plant Physiol. Biochem.</i> 35(2): 85-93 (1997)	
/W.W.M./	81	Richardson et al., <i>FEBS Letters</i> 52(1): 161 (1975)	
/W.W.M./	82	Ryan, <i>Annu. Rev. Phytopathol.</i> 28: 425-449 (1990)	
/W.W.M./	83	Sakal et al., <i>International Journal of Peptide and Protein Research</i> 34: 498-505 (1989)	
/W.W.M./	84	Samac et al., <i>Plant Cell</i> 3: 1063-1072 (1991)	
/W.W.M./	85	Schoenbeck et al., <i>Molec. Plant-Microbe Interact</i> 12(10): 882-893 (1999)	
/W.W.M./	86	Seemuller et al., <i>Hoppe Seyler's Z. Physiol. Chem.</i> 358: 1105-1117 (1977)	
/W.W.M./	87	Stewart and Hsu, <i>Planta</i> 137: 113-117 (1977)	
/W.W.M./	88	Summerton et al., <i>Antisense and Nucleic Acid Drug Development</i> 7: 187-195 (1997)	
/W.W.M./	89	Taylor et al., <i>Plant Mol. Biol.</i> 23: 1005-1014 (1993)	
/W.W.M./	90	Teakle et al., <i>Journal of Invertebrate Pathology</i> 46: 166-173 (1985)	
/W.W.M./	91	Terra et al., <i>Comp. Biochem. Physiol.</i> 109B: 1-61 (1994)	
/W.W.M./	92	Umbek et al., <i>Biotechnology</i> 5: 263-266 (1987)	
/W.W.M./	93	Valaitis et al., <i>Insect Biochemistry and Molecular Biology</i> 29: 405-415 (1999)	
/W.W.M./	94	Volpicella et al., <i>Eur. J. Biochem.</i> 270: 10-19 (2003)	
/W.W.M./	95	Wells, <i>Methods Enzymol.</i> 202: 390-411 (1991)	

Examiner Signature	/William W. Moore/	Date Considered	06/25/2008
--------------------	--------------------	-----------------	------------

Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/554,237
		Filing Date	April 23, 2004
		First Named Inventor	Kerry Michelle Dunse
		Art Unit	1653
		Examiner Name	Unknown
Sheet 6 of 6		Attorney Docket Number	007193-13

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s) publisher, city and/or county where published.	T ²
/W.W.M./	96	Wu et al., <i>Molecular Breeding</i> 3: 371-380 (1997)	
/W.W.M./	97	Xu et al., <i>J. Econ. Entomol.</i> 87(2): 334-338 (1994)	

Examiner Signature	/William W. Moore/	Date Considered	06/25/2008
--------------------	--------------------	-----------------	------------